

FCC Information
Transmitter Tune-Up Instructions.
Telex Evi Model HTU

Attach terminal E8 of the RF Board to the center conductor of a 50 ohm coaxial cable. Attach the braid of the cable to the shortest path to the ground foil near E8.

Terminate the cable into a 3 position coaxial switch.
Attach a 50 ohm terminated milliwatt meter to position one of the switch.
Attach a 50 ohm terminated deviation meter to position two of the switch.
Attach a 50 ohm terminated frequency counter to position three of the switch.
Set the coaxial switch to position 1.

Attach an audio generator to terminal E3 and the ground foil. Set the audio generator output level to 7mV RMS output. Set the generator frequency to 1000 Hz.

Attach a 9.0 VDC source to terminal E5 (+) and E6 (-).
Set the Power-On switch S1 to the ON position.

Monitor the 9.0 V power source current. Alternately adjust inductor L6 and L7 for the maximum increase in power source current. Adjust L8 and L9 for maximum increase in power source current. Adjust VC1 and VC2 for maximum increase in power source current. Repeat at least one time. Alternately adjust VC3 and VC4 for maximum RF power output into the milliwatt meter. Typical output is 35 to 45 mW.

Set the coaxial switch to position 3. (frequency) Adjust L5 for the correct channel frequency on the frequency counter.

Set the coaxial switch to position 2. Adjust VR1 for 12 KHz frequency deviation.

Place the transmitter into the case. Attach the antenna. Readjust VC3 and VC4 for maximum radiated power.

END ALIGNMENT.